

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
WO 2005/055550 A1

(51) International Patent Classification<sup>7</sup>: H04L 29/06, H01R 29/00

(74) Agents: COCKAYNE, Gillian et al.; Marconi Intellectual Property, Crompton Close, Basildon Essex SS14 3BA (GB).

(21) International Application Number:  
PCT/EP2004/052425

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 4 October 2004 (04.10.2004)

(25) Filing Language: English

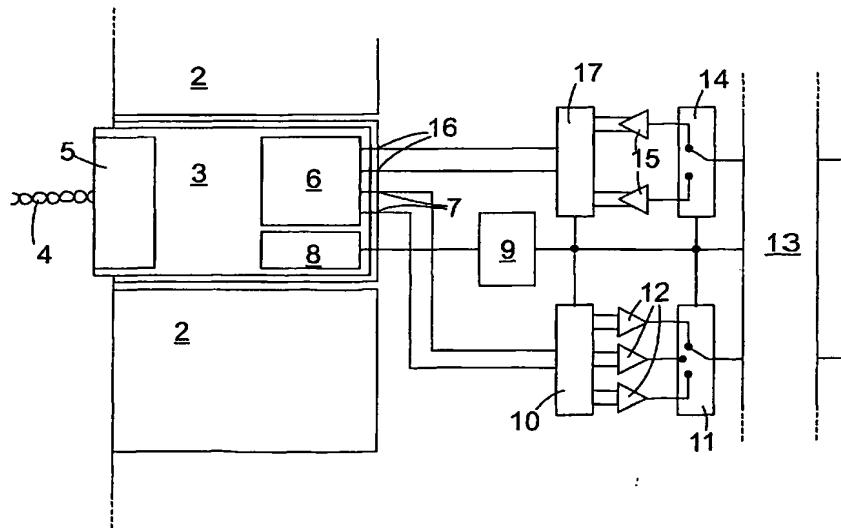
(26) Publication Language: English

(30) Priority Data:  
10357269.4 2 December 2003 (02.12.2003) DE

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PLUG-IN MODULE FRAME AND MODULE THEREFORE



(57) Abstract: A plug-in module frame has sockets (2) with at least one signal contact (7, 16) each for passing an information signal between the plug-in module frame (1) and a plug-in module (3) mounted at one of the sockets (2). A protocol converter (9, 10, 11, 12, 14, 15, 17) having first and second terminals communicates with the plug-in module (3) via its first terminal and signal contact (7, 16) according to a first protocol and via its second terminal according to a second protocol. Type detecting means (8) are provided for detecting a characteristic of a plug-in module (3) mounted in socket (2), which characteristic is unambiguously associated to a protocol supported by the plug-in module (3), and the protocol converter (9, 10, 11, 12, 14, 15, 17) which is connected to the type detecting means and supports a plurality of first protocols is adapted to use at its first terminal a protocol encoded by the detected property of the plug-in module (3) at its first terminal.

WO 2005/055550 A1



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*